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Mallinckrodt Inc.

<120> Versatile Hydrophilic Dyes

<130> MRD-67

<140> US 09/757,333
<141> 2001-01-09

<150> US 09/484,321
<151> 2000-01-18

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<170> Patent-In Version 3.1

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<222> (1)...(8)
<223> Xaa at location 1 represents D-Phe. Artificial sequence is completely synthesized.
<223> Xaa at locations 2 and 7 represents Cys with an intramolecular disulfide bond between two Cys amino acids. Artificial sequence is completely synthesized.
<223> Xaa at location 4 represents D-Trp. Artificial sequence is completely synthesized.

<400> 1
Xaa Xaa Tyr Xaa Lys Thr Xaa Thr
1 5

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<223> Xaa at location 4 represents D-Trp. Artificial sequence is completely synthesized.
<223> Xaa at location 8 represents Thr-OH. Artificial sequence is completely synthesized.

<400> 2
Xaa Xaa Tyr Xaa Lys Thr Xaa Xaa
1 5

<210> 3
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<400> 3
Gly Ser Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 4
<211> 11
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<400> 4
Gly Asp Gly Gln Trp Ala Val Gly His Leu Met
1 5 10

<210> 5
<211> 8
<212> PRT
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<400> 5
Asp Tyr Met Gly Trp Met Asp Phe
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<210> 6
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<223> Xaa at locations 3 and 6 represents Norleucine.
Artificial sequence is completely synthesized.

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Asp Tyr Xaa Gly Trp Xaa Asp Phe
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<210> 7
<211> 8
<212> PRT
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<223> Xaa at locations 3 and 6 represents Norleucine. Artificial sequence is completely synthesized.

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Xaa Tyr Xaa Gly Trp Xaa Asp Phe
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<210> 8
<211> 8
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<223> Xaa at location 1 represents D-Lys. Artificial sequence is completely synthesized.

<400> 8
Xaa Pro Arg Arg Pro Tyr Ile Leu
1 5